

**AMENDMENTS TO THE CLAIMS**


This listing of claims will replace all prior versions, and listings of claims in the application:

---

**1. (Original) A rotary cutting tool comprising:**

a tool body in the form of a circular disk having a center and a periphery, with an axis of rotation passing through the center of the disk and a plurality of chip clearance recesses opening outwardly from and spaced angularly around the disk periphery, each chip clearance recess having a leading end and a trailing end;


a plurality of insert receiving pockets, each insert receiving pocket having an associated chip clearance recess and comprising a tangentially extending pocket base having a leading end and a trailing end, the leading end of the pocket base being adjacent the trailing end of the associated chip clearance recess and the trailing end of the pocket base being connected to a generally radially extending pocket rear surface;

 a plurality of indexable cutting inserts, each cutting insert comprising an upper surface, a lower surface and a peripheral side surface therebetween, the peripheral side surface comprising four component side surfaces, each component side surface being joined to an adjacent side surface by a side corner, an opposite pair of the component side surfaces forming front and rear component side surfaces, each component side surface meeting the upper and lower surfaces at upper and lower component cutting edges, respectively, at least outer portions of each upper and lower component cutting edge extending generally inwardly from adjacent side corners and at least outer portions of each component side surface extending generally inwardly from adjacent side corners,

each cutting insert being removably retained in a given insert receiving pocket, wherein the lower surface of the cutting insert abuts the tangentially extending pocket base, the rear component side surface of the cutting insert abuts the radially extending pocket rear surface at two spaced apart abutment surfaces, the front component side surface forming a rake surface and the upper component cutting edge of the front component side surface forming an operative cutting edge.

**2. (Original)** The rotary cutting tool according to Claim 1, wherein the pocket base has a radially extending threaded bore and each cutting insert of the plurality of cutting inserts has a through bore extending between the upper and lower surfaces and containing midpoints thereof, and each cutting insert is removably retained by a screw extending through the through bore and tightened into the threaded bore.

**3. (Original)** The rotary cutting tool according to Claim 1, wherein each upper and lower component cutting edge is generally concave in form and each component side surface is generally concave in form extending inwardly from adjacent side corners.

 **4. (Original)** The rotary cutting tool according to Claim 1, wherein the upper and lower surfaces of the cutting insert each have a flat central portion.

**5. (Previously Amended)** The rotary cutting tool according to Claim 1, wherein the upper and lower component cutting edges and the component side surfaces are divided into three portions, two outer portions and an inner portion, the two outer portions being linear sections and the inner portion being arcuate and wherein the cutting insert is thicker in the region of the inner portion than in the region of the outer portion.

**6. (Original)** The rotary cutting tool according Claim 1, wherein the upper and lower component cutting edges and the component side surfaces are divided into three portions, two outer portions and an inner portion, and the cutting insert is thicker in the region of the inner portion of the upper and lower component cutting edges than in the region of the outer portion thereof.

**7. (New)** The rotary cutting tool according Claim 1, wherein each cutting insert is oriented symmetrically with respect to a plane of rotation of the cutting tool, and has a pair of equally leading side corners.

**8. (New)** A rotary cutting tool comprising:

a tool body in the form of a circular disk having a center and a periphery, with an axis of rotation passing through the center of the disk,

a plurality of insert receiving pockets spaced angularly around the disk periphery, each insert receiving pocket comprising a pocket base having a leading end and a trailing end, the trailing end of the pocket base being connected to a pocket rear surface;

a plurality of indexable cutting inserts, each cutting insert comprising an upper surface, a lower surface and a peripheral side surface therebetween, the peripheral side surface comprising four component side surfaces, each component side surface being joined to an adjacent side surface by a side corner, an opposite pair of the component side surfaces forming front and rear component side surfaces, each component side surface meeting the upper and lower surfaces at upper and lower component cutting edges, respectively, at least outer portions of each upper and lower component cutting edge extending generally inwardly from adjacent side corners and at least outer portions of each component side surface extending generally inwardly from adjacent side corners,

each cutting insert being removably retained in a given insert receiving pocket, wherein the lower surface of the cutting insert abuts the pocket base, the rear component side surface of the cutting insert abuts the pocket rear surface at two spaced apart abutment surfaces, the front component side surface forming a rake surface and the upper component cutting edge of the front component side surface forming an operative cutting edge, and wherein

each cutting insert is oriented symmetrically with respect to a plane of rotation of the cutting tool, and has a pair of equally leading side corners.

**9. (New)** The rotary cutting tool according to Claim 8, wherein the pocket base has a radially extending threaded bore and each cutting insert of the plurality of cutting inserts has a through bore extending between the upper and lower surfaces and containing midpoints thereof, and each cutting insert is removably retained by a screw extending through the through bore and tightened into the threaded bore.

10. (New) The rotary cutting tool according to Claim 8, wherein each upper and lower component cutting edge is generally concave in form and each component side surface is generally concave in form extending inwardly from adjacent side corners.

11. (New) The rotary cutting tool according to Claim 8, wherein the upper and lower surfaces of the cutting insert each have a flat central portion.

12. (New) The rotary cutting tool according to Claim 8, wherein the upper and lower component cutting edges and the component side surfaces are divided into three portions, two outer portions and an inner portion, the two outer portions being linear sections and the inner portion being arcuate and wherein the cutting insert is thicker in the region of the inner portion than in the region of the outer portion.

13. (New) The rotary cutting tool according Claim 8, wherein the upper and lower component cutting edges and the component side surfaces are divided into three portions, two outer portions and an inner portion, and the cutting insert is thicker in the region of the inner portion of the upper and lower component cutting edges than in the region of the outer portion thereof.

14. (New) The rotary cutting tool according Claim 8, wherein each pocket base is a tangentially extending pocket base.

15. (New) The rotary cutting tool according Claim 8, wherein each pocket rear surface is a radially extending pocket rear surface.

---